

JEE-Main (CHEMISTRY SYLLABUS)

Physical Chemistry

- Some basic concepts in chemistry
- States of matter
- Atomic structure
- Chemical bonding and molecular structure
- Chemical thermodynamics
- Solutions
- Equilibrium
- Redox reactions and electrochemistry
- Chemical kinetics
- Surface chemistry

Organic Chemistry

- Purification and characterisation of organic compounds
- Hydrocarbons
- Chemistry in everyday life
- Principles related to practical chemistry
- Organic compounds containing halogens
- Organic compounds containing oxygen
- Organic compounds containing nitrogen
- Polymers
- Some basic principles of organic chemistry
- Biomolecules

Inorganic Chemistry

- Classification of elements and periodicity in properties
- Hydrogen
- Block elements (alkali and alkaline earth metals)
- P Block elements group 13 to group 18 elements
- d- and f - block elements
- Co-ordination compounds
- Environmental chemistry
- General principles and processes of isolation of metals